

**RADIO FREQUENCY (RF) FILTER WITHIN MULTILAYERED LOW  
TEMPERATURE CO-FIRED CERAMIC (LTCC) SUBSTRATE****ABSTRACT OF THE DISCLOSURE**

A multilayered, low temperature co-fired ceramic (LTCC) substrate within which a radio frequency (RF) filter is formed. Portions of a bandpass filter are implemented using electrode patterns on different ceramic tape layers of which selected portions maintain a symmetrical physical filter structure, thereby providing self-compensation for changes in mutual coupling (e.g., mutual inductance) caused by small errors in alignment of the ceramic tape layers occurring during manufacturing.